

M 6.4, Mindanao, Philippines

Origin Time: 2023-10-04 11:21:47 UTC (Wed 19:21:47 local)  
Location: 5.3176° N 126.0490° E Depth: 113.0 km

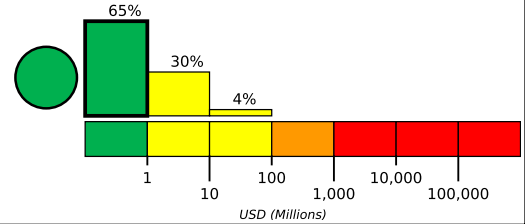
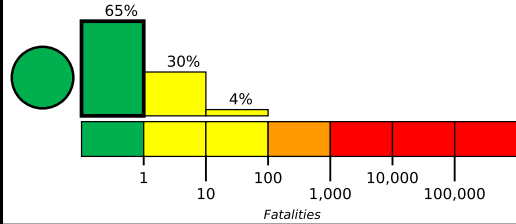
PAGER Version 4

Created: 1 week, 5 days after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

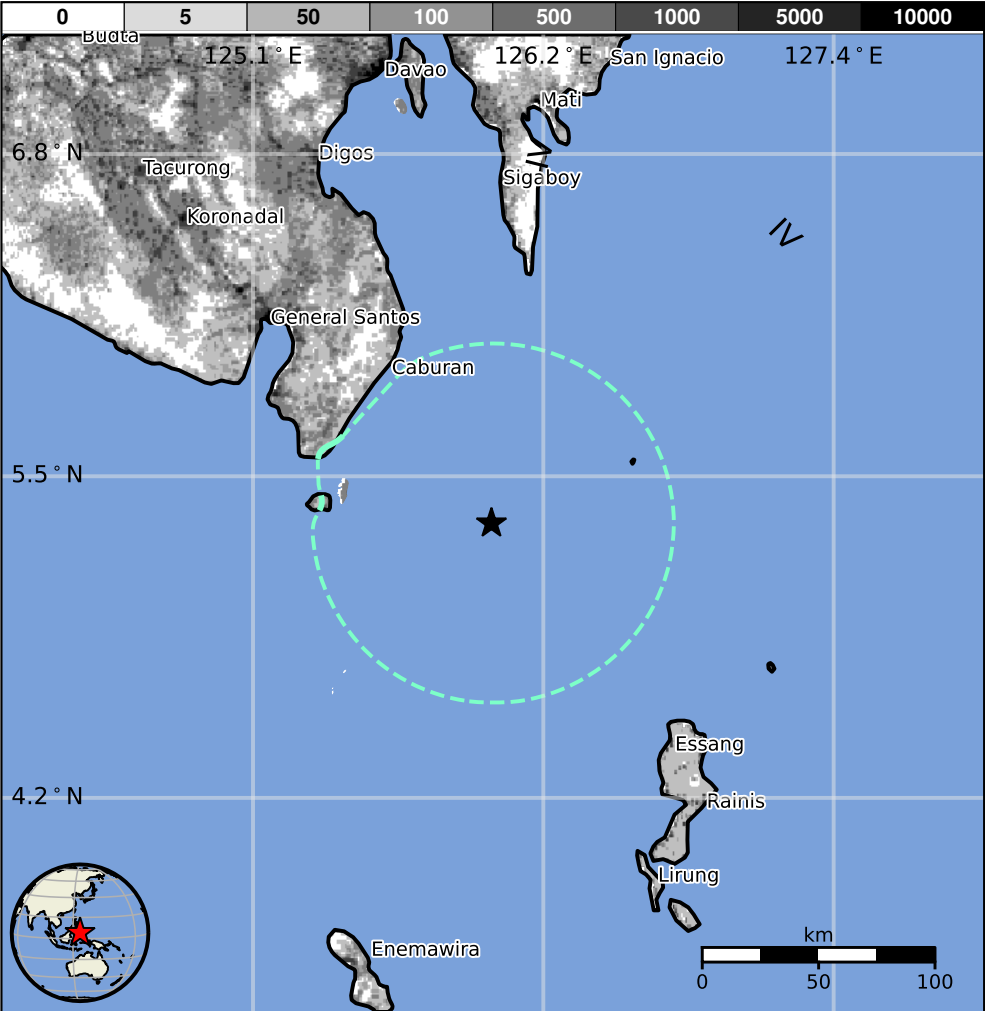


Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k=x1000) |                       | —*       | 6k*    | 9,110k | 49k      | 0        | 0           | 0          | 0        | 0        |
|---|-----------------------|----------|--------|--------|----------|----------|-------------|------------|----------|----------|
| ESTIMATED MODIFIED MERCALLI INTENSITY   |                       | I        | II-III | IV     | V        | VI       | VII         | VIII       | IX       | X+       |
| PERCEIVED SHAKING                       |                       | Not felt | Weak   | Light  | Moderate | Strong   | Very Strong | Severe     | Violent  | Extreme  |
| POTENTIAL DAMAGE                        | Resistant Structures  | None     | None   | None   | V. Light | Light    | Moderate    | Mod./Heavy | Heavy    | V. Heavy |
|   | Vulnerable Structures | None     | None   | None   | Light    | Moderate | Mod./Heavy  | Heavy      | V. Heavy | V. Heavy |

\*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unknown/miscellaneous types and heavy wood frame construction.

Historical Earthquakes

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 1987-05-23 | 307        | 5.7  | VII(70k)   | 1              |
| 1987-05-18 | 337        | 6.2  | VIII(12k)  | 1              |
| 2002-03-05 | 217        | 7.5  | VIII(12k)  | 15             |

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

| MMI | City           | Population |
|-----|----------------|------------|
| V   | Sarangani      | 8k         |
| V   | Balangonan     | 2k         |
| V   | Bukid          | 2k         |
| V   | Butulan        | 2k         |
| IV  | Culaman        | 4k         |
| IV  | Nuing          | 3k         |
| IV  | General Santos | 680k       |
| IV  | Koronadal      | 126k       |
| IV  | Davao          | 1,213k     |
| IV  | Malingao       | 1,122k     |
| IV  | Budta          | 1,274k     |

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.  
<https://earthquake.usgs.gov/earthquakes/eventpage/us6000lcri#pager>

bold cities appear on map.

(k = x1000)

Event ID: us6000lcri